

WEST Search History

DATE: Monday, October 14, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L5	L4 same l3	46	L5
L4	(val or valine) same inhibit\$	3150	L4
L3	L2 or l1	785	L3
L2	acetohydroxy\$ adj2 (synthas\$ or synthetas\$)	252	L2
L1	acetolact\$ adj2 (synthas\$ or synthetas\$)	631	L1

END OF SEARCH HISTORY

09/761782
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 13:01:47 ON 07 OCT 2002

L1 794 S ACETOLACT? (2W) (SYNTHAS? OR SYNTHETAS?)
L2 554 S ACETOHYDROXY? (2W) (SYNTHAS? OR SYNTHETAS?)
L3 554 S ?ACETOHYDROXY? (2W) (SYNTHAS? OR SYNTHETAS?)
L4 794 S ?ACETOLACT? (2W) (SYNTHAS? OR SYNTHETAS?)
L5 1303 S L1 OR L2
L6 4430 S (VAL OR VALINE) (S) INHIBIT?
L7 194 S L5 (P) L6
L8 118 S L5 (S) L6
L9 60 S L7 AND MUTANT
L10 56 S L7 (P) MUTANT
L11 22 S L10 AND (ESCHERICHIA OR COLI)

L11 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 2001:869984 CAPLUS

TI IlvH mutants encoding valine inhibition
-resistant acetohydroxyacid synthase and use of
recombinant bacteria to produce L-valine

IN Livshits, Vitaliy; Dorshenko, Vera; Gorshkova, Nataliya; Belaryeva, Alla;
Ivanovskaya, Lirina; Khourges, Evgeni; Akhverdian, Valery; Gusyatiner,
Mikhail; Kozlov, Uri

PA Ajinomoto Co. Inc., Japan

SO Fr. Demande, 26 pp.

DT Patent

LA French

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2804971	A1	20010817	FR 2001-1070	20010126
	JP 2001276571	A2	20011009	JP 2000-101678	20000404
PRAI	JP 2000-101678	A	20000126		

L11 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 2001:170412 CAPLUS

TI Acetohydroxyacid Synthase: A Proposed Structure for Regulatory Subunits
Supported by Evidence from Mutagenesis

AU Mendel, Sharon; Elkayam, Tsiona; Sella, Carmen; Vinogradov, Valery;
Vyazmensky, Maria; Chipman, David M.; Barak, Ze'ev

SO Journal of Molecular Biology (2001), 307(1), 465-477

L11 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 2000:436539 CAPLUS

TI Determination of the dissociation constant of valine from acetohydroxy
acid synthase by equilibrium partition in an aqueous two-phase system

AU Engel, S.; Vyazmensky, M.; Barak, Z.; Chipman, D. M.; Merchuk, J. C.

SO Journal of Chromatography, B: Biomedical Sciences and Applications (2000),
743(1 + 2), 225-229

L11 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1991:487409 CAPLUS

TI Mode of action of herbicidal ALS-inhibitors on acetolactate synthase from
green plant cell cultures, yeast, and Escherichia coli

AU Babczinski, Peter; Zelinski, Thomas

SO Pesticide Science (1991), 31(3), 305-23

L11 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1986:492186 CAPLUS
TI Single amino acid substitutions in the enzyme acetolactate synthase confer resistance to the herbicide sulfometuron methyl
AU Yadav, Narendra; McDevitt, Raymond E.; Benard, Susan; Falco, S. Carl
SO Proc. Natl. Acad. Sci. U. S. A. (1986), 83(12), 4418-22

L11 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1984:626712 CAPLUS
TI ilvB-Encoded acetolactate synthase is resistant to the herbicide sulfometuron methyl
AU LaRossa, Robert A.; Smulski, Dana R.
SO J. Bacteriol. (1984), 160(1), 391-4

L11 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1982:63562 CAPLUS
TI Valine-resistant Escherichia coli K-12 strains with mutations in the ilvB operon
AU Sutton, Ann; Newman, Thomas; Francis, Marilyn; Freundlich, Martin
SO J. Bacteriol. (1981), 148(3), 998-1001

L11 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1981:583721 CAPLUS
TI A mutation affecting the valine sensitivity of the acetohydroxyacid synthase III isoenzyme in E. coli K-12
AU Grimaldi, Giovanna; Guardiola, John
SO Biochem. Biophys. Res. Commun. (1981), 101(4), 1233-40

L11 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1978:101460 CAPLUS
TI Valine-sensitive acetohydroxy acid synthases in Escherichia coli K-12: unique regulation modulated by multiple genetic sites
AU Davis, Elaine J.; Blatt, Joel M.; Henderson, Eva K.; Whittaker, Joseph J.; Jackson, Julius H.
SO Mol. Gen. Genet. (1977), 156(3), 239-49

L11 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1976:489845 CAPLUS
TI Expression of a valine-resistant acetolactate synthase activity mediated by the ilvO and ilvG genes of Escherichia coli K-12
AU Favre, Renee; Wiater, Alina; Puppo, Simonetta; Iaccarino, Maurizio; Noelle, Randolph; Freundlich, Martin
SO Mol. Gen. Genet. (1976), 143(3), 243-52

IDS L11 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1975:40617 CAPLUS
TI Structural genes for a newly recognized acetolactate synthase in Escherichia coli K-12
AU De Felice, Maurilio; Guardiola, John; Esposito, Bruno; Iaccarino, Maurizio
SO J. Bacteriol. (1974), 120(3), 1068-77

L11 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1966:492891 CAPLUS
TI Valine sensitivity of Escherichia coli K-12
AU Desai, I. D.; Polglase, W. J.
SO Can. J. Biochem. (1966), 44(10), 1403-5

L11 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1966:37858 CAPLUS
TI Insensitivity to valine of streptomycin-dependent Escherichia
coli K12
AU Polglase, W. J.
SO Mol. Pharmacol. (1965), 1(1), 109-12